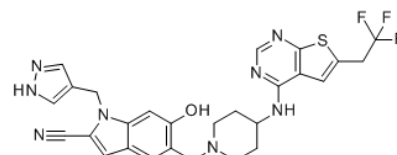


**Product Name** : MI-538  
**Cat. No.** : PC-45727  
**CAS No.** : 1857417-10-7  
**Molecular Formula** : C<sub>27</sub>H<sub>25</sub>F<sub>3</sub>N<sub>8</sub>OS  
**Molecular Weight** : 566.6006  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : DMSO; Need ultrasonic and warming



## Biological Activity

MI-538 is potent and selective **menin-MLL** interaction inhibitor (IC<sub>50</sub>=21 nM).

MI-538 shows the most potent binding affinity to menin (K<sub>d</sub> = 6.5 nM) obtained for small molecule menin-MLL inhibitor reported to date.

MI-538 exhibits significantly increased activity, selectivity, polarity and pharmacokinetic profile over MI-136 and demonstrates a pronounced effect in a mouse model of MLL leukemia.

## References

Borkin D, et al. *J Med Chem.* 2016 Feb 11;59(3):892-913.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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